

**Amendments to the Claims:**

This listing of claims replaces all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A waveguide comprising:  
a waveguide main body made of a material selected from the group consisting of a boron nitride and an aluminum oxide; and  
a thin film defining a microwave path made of a titanium nitride covering an outer peripheral surface of the waveguide main body, wherein the outer peripheral surface of the waveguide main body is bonded to the thin film.
2. (Original) The waveguide according to claim 1, wherein the waveguide main body is made of a boron nitride.
3. (Cancelled).
4. (Currently Amended) The waveguide according to claim 1, wherein the outer peripheral surface of the waveguide main body ~~and~~ is bonded to the thin film ~~are bonded to each other.~~
5. (Previously Presented) The waveguide according to claim 1, wherein the waveguide main body is made of an aluminum oxide.
6. (Previously Presented) The waveguide according to claim 1, wherein the waveguide main body has a wedge shape.
7. (Previously Presented) The waveguide according to claim 1, wherein the thin film is formed by a CVD method.
8. (Previously Presented) The waveguide according to claim 1, wherein the thin

film has a thickness of 10 to 500  $\mu\text{m}$ .

9. (Cancelled).

10. (Currently Amended) The waveguide according to claim [[9]] 1, wherein the thin film has a thickness of 200  $\mu\text{m}$ .

11. (New) The waveguide according to claim 1, wherein a reflection of an electromagnetic wave on the outer peripheral surface of the waveguide main body is suppressed.